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**Mathe et al.**(10) **Pub. No.: US 2010/0194872 A1**(43) **Pub. Date: Aug. 5, 2010**(54) **BODY SCAN**(75) Inventors: **Zsolt Mathe**, Issaquah, WA (US);  
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**H04N 7/18** (2006.01)(52) **U.S. Cl.** ..... **348/77; 348/E07.085**(57) **ABSTRACT**

A depth image of a scene may be received, observed, or captured by a device. The depth image may then be analyzed to determine whether the depth image includes a human target. For example, the depth image may include one or more targets including a human target and non-human targets. Each of the targets may be flood filled and compared to a pattern to determine whether the target may be a human target. If one or more of the targets in the depth image includes a human target, the human target may be scanned. A skeletal model of the human target may then be generated based on the scan.

